



**Massachusetts Department of Environmental Protection
Bureau of Waste Site Cleanup**

Advisory Committee Meeting

Thursday, March 23, 2017



General Updates:

- Budget (State and Federal)
- Training
- TCE & PFAS Sites
- Policy Status



Federal Budget Update

- a) You probably know as much as we know
- b) The details are subject to change as the budget process progresses
- c) Proposed cut in Hazardous Substance Superfund account = 30%
- d) Proposed cut in Categorical Grants = 45%



Federal Budget Update

ACTIVITIES FUNDED BY HAZARDOUS SUBSTANCE SUPERFUND ACCOUNT

Percentages based on previous years - All values
are APPROXIMATE (i.e., ROUNDED)

CLEANUP ACTIVITIES

Remedial Actions	48%
Emergency Response & Removal	17%
Federal Facilities Oversight	2%

~67%

AUDIT & ENFORCEMENT

Audits, Evaluations & Investigations	0.8%
Enforcement	15%

~16%

EPA ADMIN

Operations & Administration	~12%
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RELATED BUT NOT DIRECTLY SUPERFUND

Homeland Security	3%
(EPA) Emergency Preparedness	0.7%
Other Program Areas	3%

~7%



Federal Budget Update

MassDEP Waste Site Cleanup receives (FF2017 rounded)

1. Superfund Block Grant - \$856,000
2. MSCA - \$224,000
3. Brownfields 128a - \$935,000
4. Brownfields Community-wide Assessment Grant (\$133,000)

#1 & #2 – in line item with proposed 30% cut

#3 & #4 – in line item with proposed 45% cut



State Budget Update

- The Governor's budget proposal includes \$3.4 million in new operating funds for MassDEP
- <http://www.mass.gov/budget/governor>
- The details are subject to change as the budget process progresses



Training Update

- *New VPH Methods and Current MCP Program Topics*
Wednesday, May 31, 1:00-5:00 PM, Boxborough
(4 DEP Credit Hours, registration announcement in late April)



TCE Site Update

- ***Degreasing Chemical Concerns Spur Thousands of State Reviews***
- Sylvia Carignan, Bloomberg BNA, March 9, 2017
- MassDEP is currently working on approximately 60 TCE sites, including formerly closed sites, currently active sites and “newly re-reported” releases.
(~66% in NERO, then SERO, CERO and WERO in descending order)
- EXAMPLE 1:
DEP sampled indoor air in residential property (access issues) and found 8 $\mu\text{g}/\text{m}^3$. PRP conducting IRA, installation of SSDS.
Groundwater concentrations elevated compared to levels at RAO.



TCE Site Update

- EXAMPLE 2: Newton – over 150 buildings tested so far using MassDEP GC/MS in NERO. Checking assessors map to ID any possible missed concerns (due to access or no response) MassDEP completed installation of SSDS at 2 additional buildings.
- EXAMPLE 3: “Request for Sampling” letter being drafted for a site closed in 1997. Indoor air had not been sampled at the time of closure. Indoor Air Exposure Point Concentrations were modeled and included an additional 500-fold dilution factor to “allow for environmental dilution of contaminants” resulting in an EPC of 1.2 $\mu\text{g}/\text{m}^3$



PFAS Sites Update

- LSPA M³ TONIGHT – Tom Cambareri, C³:
**Assessment and Response to Perfluorinated Compounds
in Groundwater and Soils in the Cape Cod Aquifer**

6:00 – 8:00 PM Doubletree Hotel, Westborough, MA

- Westfield
 - Westfield Public Water Supply Wells #7 and #2 were taken offline
 - Barnes ANG Base are currently assessing the soil and groundwater within the Base boundaries
 - MassDEP is sampling 25 private and NC-PWS wells within 1 mile of affected Westfield PWS wells.



PFAS Sites Update

- Mashpee
 - Recent sampling by the Air Force (JBCC) of six public water supply wells (5 Mashpee, 1 Falmouth)
 - One well: PFOS + PFOA = $0.072 \mu\text{g/L}$ (raw water)
 - Resampling: 0.062 & $0.064 \mu\text{g/L}$ (raw, treated)
 - Well off-line pending discussions with MassDEP



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Comments on DRAFT PFAS Fact Sheet

- 10 Sets of Comments (so far)
- Wouldn't reject additional comments...
but soon it will be too late to act on them
- Favorite comment:
Consensus was "excellent guidance" – but...



Comments on DRAFT PFAS Fact Sheet

- THROUGHOUT: Suggestions for wording, emphasis and clarification, as well as requests for more (and less) detail
- Suggest creating Reportable Concentrations and Method 1 Standards... and drinking water standard (MMCL)?
- Risk Assessment: sufficient confidence in RfD? Additional guidance on addressing non-PFOS and non-PFOA PFAS



Comments on DRAFT PFAS Fact Sheet

- List local fire departments with AFFF stockpiles?
- Comment: EPA Health Advisory is non-enforceable
- Suggestion: Discuss different state's guidelines?



Comments on DRAFT PFAS Fact Sheet

- Test ALL drinking water supplies due to PFAS mobility?
- SOURCES – suggestions for adding, re-wording or narrowing the list of sources needing sampling
- Limit sampling to potential sources within GW-1 areas



Comments on DRAFT PFAS Fact Sheet

- Sample Collection – suggestions for better Do's/Don't's, additional examples, request for flexibility (“rigid guidelines”), suggested language concerning blanks, etc...



Comments on DRAFT PFAS Fact Sheet

METHOD 537

- Use of drinking water method for groundwater, soil, sediment...
- What about modifications of Method 537?
What about alternative Methods?
- SUGGESTION: LSPs work closely with labs...
- How to address 12 PFAS without RfD?
Reported using Method 537?
- Add to CAM ??

